查询CJD122供应商

CJD122 NPN
CJD127 PNP

COMPLEMENTARY SILICON
POWER DARLINGTON TRANSISTOR

DPAK TRANSISTOR CASE

Central™
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CJD122, CJD127 types are Complementary Silicon Power Darlington Transistors manufactured in a surface mount package designed for low speed switching and amplifier applications.

MARKING CODE: FULL PART NUMBER

MAXIMUM RATINGS: (T_C=25°C unless otherwise noted)

	SYMBOL		UNITS
Collector-Base Voltage	V_{CBO}	100	V
Collector-Emitter Voltage	V_{CEO}	100	V
Emitter-Base Voltage	V_{EBO}	5.0	V
Continuous Collector Current	I_C	8.0	A
Peak Collector Current	I_{CM}	16	A
Base Current	I_B	120	mA
Power Dissipation	P_D	20	W
Power Dissipation (T_A=25°C)	P_D	1.75	W
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 to +150	°C
Thermal Resistance	Θ_{JC}	6.25	°C/W
Thermal Resistance	Θ_{JA}	71.4	°C/W

ELECTRICAL CHARACTERISTICS: (T_C=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
I_{CEO}	V_{CE}=50V		10	μA
I_{CEV}	V_{CE}=100V, $V_{BE(off)}$=1.5V		10	μA
I_{CEV}	V_{CE}=100V, $V_{BE(off)}$=1.5V, T_C=125°C		500	μA
I_{CBO}	V_{CB}=100V		10	μA
I_{EBO}	V_{EB}=5.0V		2.0	mA
BV_{CEO}	I_C=30mA	100		V
$V_{CE(SAT)}$	I_C=4.0A, I_B=16mA		2.0	V
$V_{CE(SAT)}$	I_C=8.0A, I_B=80mA		4.0	V
$V_{BE(SAT)}$	I_C=8.0A, I_B=80mA		4.5	V
$V_{BE(ON)}$	V_{CE}=4.0V, I_C=4.0A		2.8	V
h_{FE}	V_{CE}=4.0V, I_C=4.0A	1000	12000	
h_{FE}	V_{CE}=4.0V, I_C=8.0A	100		
f_T	V_{CE}=4.0V, I_C=3.0A, f=1.0MHz	4.0		MHz
C_{ob}	V_{CB}=10V, I_E=0, f=1.0MHz (CJD122)		200	pF
C_{ob}	V_{CB}=10V, I_E=0, f=1.0MHz (CJD127)		300	pF
h_{fe}	V_{CE}=4.0V, I_C=3.0A, f=1.0kHz		300	

R1 (26-September 2002)

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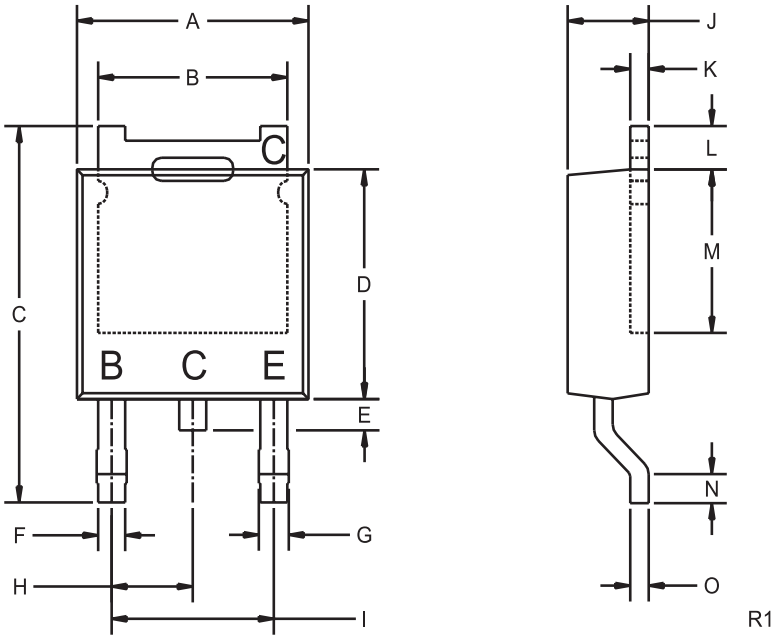
DPAK TRANSISTOR CASE - MECHANICAL OUTLINE



LEAD CODE:
B) BASE
C) COLLECTOR
E) EMITTER
C) COLLECTOR

MARKING CODE:

FULL PART NUMBER

DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	MIN	MAX	MIN	MAX
A	0.250	0.265	6.35	6.73
B	0.205	0.215	5.21	5.46
C	0.374	0.409	9.50	10.40
D	0.235	0.245	5.97	6.22
E	0.025	0.040	0.64	1.02
F	0.025	0.035	0.64	0.88
G	0.030	0.045	0.76	1.14
H	0.090		2.28	
I	0.180		4.57	
J	0.086	0.094	2.19	2.38
K	0.018	0.023	0.46	0.58
L	0.040	0.050	1.02	1.27
M	0.170	-	4.32	-
N	0.020	-	0.51	-
O	0.018	0.023	0.46	0.58

DPAK TRANSISTOR (REV: R1)

R1 (26-September 2002)